

# A KEY TO THE NORTH AMERICAN SPECIES OF HYPHOLOMA

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## KEY TO THE SECTIONS

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| 1. Pileus glabrous.                            | 2.                   |
| Pileus more or less silky or floccose.         | 3.                   |
| 2. Pileus dry, often areolate with age.        | Sec. FASCICULARIA.   |
| Pileus viscid, not hygrophanous.               | Sec. VISCIDA.        |
| Pileus hygrophanous, changing color on drying. | Sec. APPENDICULARIA. |
| 3. Pileus silky with innate fibrils.           | Sec. VELUTINA.       |
| Pileus floccose with separable scales.         | Sec. FLOCCULOSA.     |

### Section FASCICULARIA

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|---|--|----|
| 1. Pileus some shade of gray, rimose.   | <i>H. cutifractum</i> Pk.                | 2. |
| Pileus some shade of yellow or brown.   |  |    |
| 2. Flesh white or whitish.  |  | 3. |
| Flesh bright yellow.  |  | 4. |
| 3. Flesh bitter, lamellae at first whitish.                                     | <i>H. sublateritium</i> (Schaeff.) Sacc. |    |
| Flesh mild, lamellae at first pale yellow.                                      | <i>H. perplexum</i> Pk.                  |    |
| Flesh mild, lamellae at first smoky blue.                                       | <i>H. capnoides</i> (Fr.) Sacc.          |    |
| 4. Pileus papillate-umbonate.   | <i>H. papillatum</i> Pat.                | 5. |
| Pileus obtuse or subumbonate.   |  |    |
| 5. Pileus dark yellowish-brown, lamellae at first sulphur-yellow then greenish. | <i>H. fasciculare</i> (Huds.) Sacc.      |    |
| Pileus light yellowish-brown, lamellae at first greenish then olivaceous.       | <i>H. elaeodes</i> (Fr.) Sacc.           |    |

### Section VISCIDA

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|---|-----------------------------|
| 1. Pileus tawny, radiately wrinkled.        | <i>H. rugocephalum</i> Atk. |
| Pileus straw-yellow to pale orange, smooth. | <i>H. ambiguum</i> Pk.      |

### Section APPENDICULARIA

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| 1. Lamellae at first purplish or violet.                       | 10.                            |
| Lamellae not at first purplish or violet.                      | 2.                             |
| 2. Small, pileus 1 cm. or less.                                | 3.                             |
| Larger, pileus more than 1 cm.                                 | 4.                             |
| 3. Stipe with an abruptly enlarged disc at base.               | <i>H. phyllogenum</i> Pk.      |
| Stipe equal, base not enlarged, blackening on drying.          | <i>H. modestum</i> Pk.         |
| 4. Pileus light-colored, white, pallid, alutaceous, etc.       | 5.                             |
| Pileus darker, brown or yellowish-brown, at least when moist.  | 6.                             |
| 5. Pileus hemispheric, apex of stipe substrate.                | <i>H. saccharinophilum</i> Pk. |
| Pileus campanulate to expanded, apex of stipe subfurfuraceous. | <i>H. incertum</i> Pk.         |

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|---|--|
| 6. Pileus lighter on drying.<br>Pileus darker on drying.  | 7.<br><i>H. longipes</i> Pk.   |
| 7. Lamellae at first whitish.<br>Lamellae at first brownish.  | 8.<br>9.   |
| 8. Stipe white, hollow, pileus disc rugose.<br>Stipe white, hollow, pileus smooth.<br>Stipe reddish, stuffed.   | <i>H. maclediscum</i> Pk.<br><i>H. appendiculatum</i> (Bull.) Sacc.<br><i>H. squalidum</i> Pk. |
| 9. Stipe less than 8 cm., pallid, fibrillose.<br>Stipe 8 cm. or more, white, striate.<br>Stipe 8 cm. or more, sordid white with brown stains, uneven, nodulose verrucose. | <i>H. atrifolium</i> Pk.<br><i>H. hymenoc-phalum</i> Pk.<br><i>H. californicum</i> Earle.      |
| 10. Small, pileus 1-2 cm.<br>Large, pileus 5-11 cm.   | <i>H. olivae-sporum</i> Ell. & Ev.<br><i>H. Candolleanum</i> (Fr.) Sacc.                       |

## Section VELUTINA

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| 1. Pileus small, 1-3 cm.<br>Pileus larger, 5 cm. or more.  | 2.<br>3.   |
| 2. Pileus grayish with black fibrils, lamellae at first white.<br>Pileus brown, lamellae at first purplish.  | <i>H. aggregatum</i> Pk.<br><i>H. comaropis</i> (Mont.) Sacc.  |
| 3. Pileus white or yellowish, indistinctly fibrillate, stipe smooth, shining.<br>Pileus white then brown, with dark innate scales, stipe squamulose. | <i>H. utridipes</i> Pk.<br><i>H. lacrimabundum</i> (Fr.) Sacc. |

## Section FLOCCULOSA

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|--------------------------|--------------------------------|
| 1. Pileus grayish-brown. | <i>H. hirtosquamulosum</i> Pk. |
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In attempting to use the above key it must be borne in mind that it is constructed largely from published descriptions and that these descriptions are often faulty or insufficient, hence the key is necessarily purely artificial and does not attempt to indicate the relationship of the species except as to the division of the genus into sections. Further, it should be remembered that the fleshy fungi of only a very small part of the vast territory of North America have been studied with any degree of thoroughness, so that in all probability many forms remain to be discovered that cannot be referred to any of the above species. With these considerations in mind it is believed that such keys will be found useful by those who are interested in these plants.